

Lawrence W. Lindquist
Manager

May 5, 1987

Mr. R.F. White
U.S. EPA, Region 10
M/S 532
1200 Sixth Avenue
Seattle, WA 98101

Dear Rick:

Following is an update of the asbestos survey submitted to you on February 23, 1987. This is based on bulk asbestos analyses that have been completed since that time. Attached are the laboratory results, most of which were obtained from Invirex.

A. Cottrell Area.

1. Pipe Treater Building.

a. Top floor - between two sections of treater: thin asbestos paper lining in hopper, between tile and steel.

Reference: Report of Analysis pending; verbally indicated asbestos 40%.

B. Arsenic Plant Area.

1. Metallic Arsenic Plant.

a. Tar felt material on roof of building.

Reference: See Report of Analysis dated April 17, 1987 and April 23, 1987.

2. Arsenic Kitchen Area.

a. Tar felt material on roof of building.

Reference: Same as for B.1. above.

3. No. 1 and No. 2 Brick Flues.

a. Tar felt material on roof of building.

Reference: See Report of Analysis dated February 19, 1987.

C. No. 3 Boiler Building.

1. Insulation on elbows of pipe.

Reference: See Report of Analysis dated February 25, 1987.

2. Economizer package boiler insulation.

Reference: See Report of Analysis dated February 19 and 25, 1987.

Very truly yours,

Curtis E. Dungey 110994

Curtis E. Dungey
Senior Environmental Scientist





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March 24, 1987

REPORT OF ANALYSIS

Our analysis of the sample

Bulk Samples

From

Asarco Incorporated
Sample received
3/20/87

Marked

As follows

SAMPLE ID

ASBESTOS

#1 N. Wall
E. Control Room

Approximately 5%

#2 Flue Area
#1PITR

Approximately 20%

#3 Flue Area
#1PITR

Approximately 20%

#4 Roastor ARea
S. End Large
Pipe 20' off
Ground

<1%

North end #1 Plate
Bldg Chnok material
on railing

Approximately 30%

North end #1 Plate
Bldsg - on inside
wall above beam

<1%

TO: Asarco Incorporated
ATTENTION: Curtis Dungey
P. O. Box 1677
Tacoma, WA 98401

BY

George P. Schorland

FFR 2 8 RECD



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February 25, 1987

REPORT OF ANALYSIS

Our analysis of the sample

Bulk Sample

From

Invirex Demolition
Sample received
2/20/87

Marked

As Follows

SAMPLE ID

ASBESTOS

Bulk Sample
Economizer package boiler

Approximately 50%

TO: Invirex Demolition Inc.
ATTENTION: Jay Schwall
P. O. Box 1242
Tacoma, WA 98401

BY

George P. Schwall



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FEB 26 REC'D

February 25, 1987

REPORT OF ANALYSIS

Our analysis of the sample

Bulk Sample

From

Invirex Demolition
Sample received
2/20/87

Marked

As Follows

SAMPLE ID

ASBESTOS

Top of #2 Exit Flue

<1%

Top of #2 Exit Flue

Approximately 2%

Pipe in #3 Boiler Area

<1%

Pipe in #3 Boiler Area

<1%

Pipe in #3 Boiler Area

Approximately 2%

Pipe in #3 Boiler Area

<1%

#17

<1%

COMMENT: It has been our experience to find pipe coverings with variable asbestos content. Some samples will have asbestos and some do not.

TO: Invirex Demolition Inc.
ATTENTION: Jay Schwall
P. O. Box 1242
Tacoma, WA 98401

BY

George P. Schouhard



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February 19, 1987

REPORT OF ANALYSIS

Our analysis of the sample

Bulk Sample

From

Invirex Demolition
Sample received
2/17/87

Marked

As Follows

SAMPLE ID

ASBESTOS

#1 Plate Treater Roof

Approximately 5%

Bottom layer #2 Plate Treater Roof

Approximately 5%

Top layer #2 Plate Treater Roof

Approximately 20%

Tar paper end of #2 Plate Treater

Approximately 20%

Tar paper bottom layer Roof
of Flues 1 & 2

Approximately 10%

Tar paper top layer Roof
of Flues 1 & 2

Approximately 5%

Roof of Power House

Approximately 20%

Economizer package boiler

<1%

NOTE: Samples 1 through 7 were not friable.

TO: Invirex Demolition Inc.
ATTENTION: Jay Schwall
P. O. Box 1242
Tacoma, WA 98401

BY



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April 17, 1987

REPORT OF ANALYSIS

Our analysis of the sample

Tarpaper

From

Invirex Demolition
Sample received
4/14/87

Marked

As Follows

SAMPLE ID

ASBESTOS

Met Arsenic Area
#1

<1%

Arsenic Kitchen
Area #2

<1%

Arsenic Kitchen
Area #3

Approximately 20%

Arsenic Kitchen
Area #4

Approximately 5%

TO: Invirex Demolition Inc.
ATTENTION: Jay Schwall
P. O. Box 1242
Tacoma, WA 98401

BY

George P. [Signature]



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April 23, 1987

REPORT OF ANALYSIS

Our analysis of the sample

Tarpapér

From

Invirex Demolition
Sample received
4/20/87

Marked

As Follows

SAMPLE ID

ASBESTOS

#1 Metallic Arsenic

Approximately 5%

#2 Metallic Arsenic

<1%

#3 Arsenic Kitchen

Approximately 10%

#4 Arsenic Kitchen

<1%

TO: Invirex Demolition Inc.
ATTENTION: Jay Schwall
P. O. Box 1242
Tacoma, WA 98401

BY

ASARCO TACOMA SMELTER SITE STABILIZATION

Project: HWD-046B

Sample No: 87 070024

Begin Sample Date: 87/02/13 10:55

Source:

Laboratory: RX

Description: COVERING ON DOOR OF HOPPER IN GOD ROASTE

Asbestos - Bulk Anal. Parameter	Sld/SemiSld Result Units
Chrysotile	40 %
Amosite	UND %
Anthophyllite	UND %
Tremolite	UND %
Actinolite	UND %
Crocidolite	UND %
Glass Fiber	UND %
Mineral (Rock) Wool	UND %
Cellulose	UND %

(Sample Complete)